



NC Fuel Gas

1st Qtr. 2016 Code Answers in brown (Jan-Mar) 2nd Qtr. 2016 Code Answers in green (Apr- Jun)
3rd Quarter 2016 Code Answers in blue (Jul-Sep) 4th Quarter 2016 Code Answers in red (Oct-Dec)

Table of Contents

Chapter 1 Administration	Chapter 2 Definitions
Chapter 3 General Regulations	Chapter 4 Gas Piping Install.
Chapter 5 Chimneys & Vents	Chapter 6 Specific Appliances.
Chapter 7 Gaseous Hydrogen S.	Chapter 8 Ind./Special Waste
POLICY	OTHER

100 Chapter 1 Administration

200 Chapter 2 Definitions

300 Chapter 3 General Regulations

301.1.1 - Question: I heard as of Jan 1st, CSST doesn't have to be bonded anymore. Is that true?

Answer: The Building Code Council approved a code language change that did go into effect on Jan 1, 2016. CSST with an arc-resistant jacket (Black Jacket), does not require direct bonding as per section 310.1.1 NCFGC and shall be installed per the manufacturer's installation instructions. The bonding comes from the electrically grounded equipment such as a furnace or tankless waterheater. When the equipment is grounded, then not direct bonding is required for CSST with an arc-resistant jacket.

If there is a situation where the gas piping is only connected to a set of gas logs or a traditional tank style gas water heater with not equipment ground, then in a case such as this, direct bonding would be required.



NC Fuel Gas

1st Qtr. 2016 Code Answers in brown (Jan-Mar) 2nd Qtr. 2016 Code Answers in green (Apr- Jun)
3rd Quarter 2016 Code Answers in blue (Jul-Sep) 4th Quarter 2016 Code Answers in red (Oct-Dec)

310.1.1 CSST. Corrugated stainless steel tubing (CSST) gas piping systems shall be bonded to the electrical service grounding electrode system at the point where the gas service enters the building. The bonding jumper shall be not smaller than 6 AWG copper wire or equivalent.

CSST with an arc-resistant jacket listed by an approved agency for installation without the direct bonding, as prescribed in this section, shall be installed in accordance with Section 310.1 and the manufacturer's installation instructions.

400 Chapter 4 Gas Piping Installation

403.10.4 - Question: Can a copper threaded male adaptor be directly screwed into black steel for gas piping?

Answer: No, Section 403.10.4 NCFGC requires fittings used with steel or wrought-iron pipe to be steel, brass, bronze, malleable iron or cast iron. A threaded copper fitting can be used, but in conjunction with a brass coupling or similar fitting. Direct copper to steel connection would cause the joint to corrode.

500 Chapter 5 Chimneys and Vents

600 Chapter 6 Specific Appliances

700 Chapter 7 Gaseous Hydrogen Systems

Policy

Other